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This list corrected to November 10, 1949

THE PRESIDENT SPEAKS

The problem of Health Insurance or Social Medicine may not fall within the province of the Architectural profession to solve—however controversial these subjects may be. Architects do, nevertheless, have an obligation on the part of their communities to understand the mechanical functions of these structures which serve the medical profession. As medical knowledge is in constant flux, just so is the construction field.

Johns Hopkins, the great benefactor, told his first board of trustees, "It will therefore be your duty to obtain the advice and assistance of those at home and abroad who have achieved the greatest success in the construction and management of hospitals." That was seventy-nine years ago. Those early hospital trustees spent sixteen years studying, planning, and building before the doors of Johns Hopkins Hospital were opened. No elevators were provided between floors, patients being moved from floor to floor by hand stretcher. This wasn't an oversight in plans. It was a detail of construction designated to prevent air from making its way from one ward to another. The contaminated air theory which resulted in the omission of elevators and unnecessarily high ceilings is, of course, now completely out-moded. Then, in the mind of the planners, it was the best available knowledge. We cite this example to show how architects and medical men charged with the actual task of designing and building a hospital in the 1870's were forced to design and build by nineteenth century, not twentieth century knowledge. To meet the demands which will be made upon our profession as we enter an era charged with providing the best in planning and construction of hospitals and health clinics in our day—it will require diligent attention to the purpose and methods of medical science of this time.

To help the architect serve in his part of this task more ably and intelligently, the American Institute of Architects is holding a series of Regional Seminars on Design throughout our country; one of which will be held during December 2nd-3rd at the Hotel Kenmore, Boston. The Federal Program of Health and Clinical Services about to be instituted will be so broad in its community scope that any Architects interested in this field of service will be required to participate. These Seminars will provide the best of leadership in hospital planning and science with Architects, hospital consultants, Administrators, Public Health experts and

technicians who will not only discuss the problems but, also, allow plenty of time for questions from the floor and meet with the state director of the hospital survey and construction act.

It will be one of the highest privilege to Architects, whether an A. I. A. member or not, who can possibly attend. Col. Harold W. New England Regional Director of A. I. A. and our own Stewart Lyford, who is New Hampshire A. I. A. Chapter's representative on the Seminar Committee, will tell us more about it at the Chapter's meeting Thursday, November 17th.

—O—

WHERE DOES THIS MAGAZINE GO

N. H. Architect has wide circulation.

A query often brought up by readers and subscribers of the New Hampshire Architect is "Where does this magazine go?" "To whom is it distributed?" In answer to this question, the circulation of the New Hampshire Architect is state wide, and in general, is limited to persons, officials, firms, and establishments who are now, or who might possibly in the future be, interested in any one or all of the branches of the building trades.

Needless to say, this would include all of the architects in the state. Engineering and general contracting firms are included, as well as the specialized contractors, such as plumbers, painters, electricians, etc. Suppliers of building materials, such as lumber yards, plumbing supply houses and masonry manufacturers receive the New Hampshire Architect.

A copy is sent monthly to the school boards and boards of public works, or boards of selectmen, in each city and town in the state, from the largest to the smallest. Officials in the many branches of county and state government receive this magazine, as do public libraries, schools and colleges throughout the state. Bankers and professional men are also included on the mailing list.

Many architects and contractors have submitted a formidable list of their clients, who are interested both in public and private building. To top off the circulation of the New Hampshire Architect, we are proud to announce that a professor of architecture in Madrid, Spain has requested that his name be added to the mailing list.

Thin Partition Qualifies For One Hour

For the first time in history, a one and one-half inch partition has qualified for one-hour fire-resistive construction. Composed of perlite-gypsum plaster on metal lath attached to three-quarter inch cold-rolled channels, the test panels successfully passed the requirements for one-hour fire resistance in accordance with A. S. T. M. "Standard Specifications for Tests of Building Construction and Materials" (A. S. T. M. designation E119-47). Heretofore a two-inch solid partition has been considered the minimum fire-resistive partition that could be built.

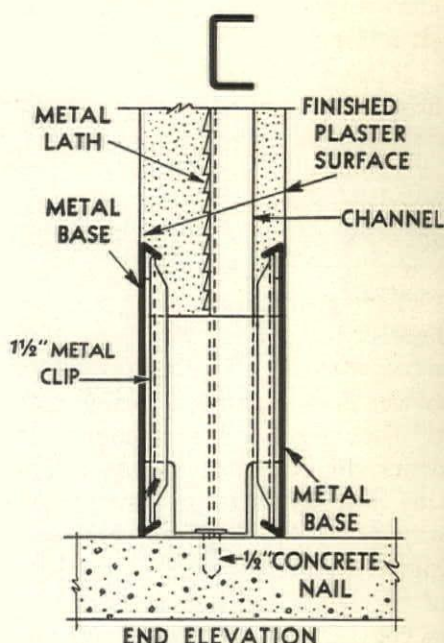
Two panels were built for this thin partition test, one being subjected to the standard fire-endurance test and the other to the fire and hose-stream test. It is certain that a partition of vermiculite-gypsum plaster would have qualified also.

Establishment of a rating for such a thin partition offers great possibilities. The two-inch solid metal lath and plaster partition has been widely used because of its space-saving feature. Now, however, this new size, which is one-half inch less in thickness, provides the architect with an equally sturdy, thin partition that will offer even greater space-saving possibilities.

The test was conducted under the sponsorship of the Metal Lath Manufacturers Association at a large mid-west university.

The construction of the one and one-half inch partition was performed with standard materials except that floor clips one and one-half inch in width were used in lieu of the two-inch clip. These were attached to the test panels with concrete nails. Instead of erecting the channels with the flanges parallel with the plane of the wall, the channels were turned so that the web was parallel with the plane of the wall and were spaced at 24 inches on centers. The channels were tied to a standard type ceiling runner, and the metal base was then attached to the clips. Metal lath was wire-tied to the channels in accordance with industry practice.

Perlite-gypsum plaster, proportioned 100 lbs. of sisal fibered gypsum to two and one-half cubic feet of expanded perlite, was applied in three operations. The first or scratch coat was applied to the unbraced side of the partition.



Detail showing method of constructing 1½-inch partition.

After this coat had set, the second or brown coat was applied, and following this, the brown coat was applied on the reverse side, thus completing the application of the lightweight aggregate and plaster in three operations. The white coat finishes followed the usual practice.

The partition exposed to the fire-endurance test performed very satisfactorily. There was no spalling of plaster at any time. The surface exposed to the fire cracked in the manner customary for plaster surfaces of this type.

The panel subjected to the hose-stream test was not penetrated by the water.

The gas in the furnace was turned off at 62 minutes in the fire-endurance test when the end point on one of the unexposed surface thermocouples had been reached.

Those who are acquainted with the qualities of this one and one-half inch partition believe that it is going to mark a very distinct step forward in the development of dependable, stable, space-saving partitions that can be erected with speed and economy.

HOSPITAL SEMINAR IN BOSTON DEC. 2 - 3

A. I. A. Members urged to attend Session

December 2 and 3 have been set as the dates on which a Hospital Planning Seminar, sponsored by the six New England chapters of American Institute of Architects, will be held at the Kenmore Hotel, Boston. The object of the Seminar is to enable the Architects and hospital authorities alike to become better acquainted with the problems and various phases of hospital building. The discussions will be limited, for the most part, to the small and medium sized general hospital, with at least half of the time devoted to question and answer periods.

General Chairman Charles D. Maginnis, Boston, Past President of the A. I. A., will open the seminar and welcome the group Friday morning, December 2. Speakers for the Friday morning session will include Henry N. Pratt, M. D., Director, New York Hospital, with his topic, "The Hospital Sets It's Building Program"; Slocum Kingsbury, Chairman, A. I. A. Committee on Hospitalization and Public Health, speaking on "The Architects Duties and

Responsibilities"; and Allan Craig, M. D., New York City, President, American Association of Hospital Consultants, with "The Consultant's Duties and Responsibilities." A one o'clock luncheon will be served at which John J. Croft, M. D., U. S. Public Health Service, Washington, D. C., will give as his address "Hospitals and Surveys and Pertinent Health Laws." Speakers for the Friday afternoon session have yet to be announced, but the topics will be as follows: "Hospital Departments and Their Inter-relationships," and "Problems of the Nursing Unit." Following each speaker a discussion and question and answer period will be held.

Scheduled for the Saturday Morning session are Carl Walter, M. D., Peter Bent Brigham Hospital, Boston with a talk on "Care of the Patient as a Basis for Design"; Justin Kearny, Engineering Consultant, New Britain, Conn., with "Current Engineering Standards" and Robert W. Cutler, A. I. A., Skidmore, Owings and Merrill, New York, with "Flexibility and Expandability in Planning" as his topic. The Saturday luncheon will feature a round table discussion.

All New Hampshire Architects are urged to attend this Seminar, as a better and fresher look in the planning of up-to-date hospitals may be gained from such a meeting.

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GENERAL CONTRACTORS TO MEET DECEMBER 14

PERMANENT OFFICERS TO BE ELECTED AT
KEENE MEETING

New Hampshire Chapter Associated General Contractors of America meeting at Laconia the last week of October, approved the budget for 1950 and adopted a new set of by-laws. Thirty members participated in discussions of the by-laws and budget.

Arthur Whitcomb of Keene was named to head up a committee to arrange for the annual meeting of the association to be held in Keene on December 14.

At the December meeting permanent officers will be elected to serve for the coming year, and committees will be named to carry on the several projects of the association.

Every section of New Hampshire was represented at the meeting, Col. John Jacobson of Manchester, acting secretary, disclosed. Vincent Swanburg of Manchester, acting president, presided.



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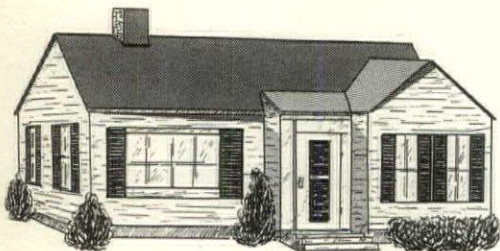
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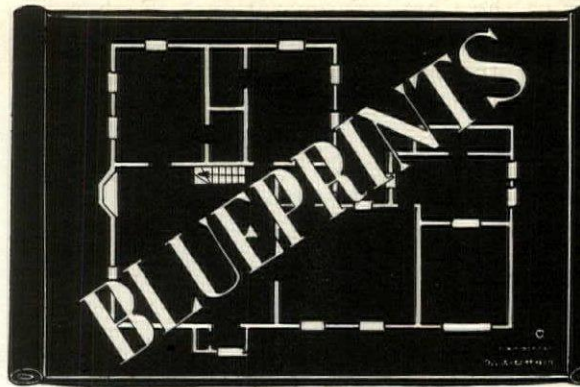
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The newly formed Avery Dam Corporation disclosed recently that W. M. Bisson & Sons, contractors of Laconia, were low bidders and have been awarded the contract for the new Avery dam. The old Avery dam on Mills street in Laconia was condemned and will be replaced by the new concrete dam, with work beginning this fall.

The amount of the bid was not disclosed, but it has been estimated that the total cost of the new dam and gates will be between \$50,000 and \$60,000.

The New England division of the Army Corps of Engineers announced recently that Anthony Ceriello of Concord was awarded the contract to remodel facilities of the Officers Reserve Corps offices, 31 North Main Street, Concord, with a low bid of \$2865.

A bid was offered by the Swanburg Construction Company of Manchester, only other New Hampshire bidder.

The contract for a 79 building veterans housing development at Lowell, Mass., was awarded recently to the Davison Construction Company of Manchester, N. H., for a low bid of \$2,422,000.

Frederick W. Roache, Chairman of the Massachusetts Housing Board disclosed that work on the development, which will house 200 families, will start on or about November 15.

FOOD FOR THOUGHT

Not too early to plan for Annual meeting !

Our annual meeting takes place within a few months. It is not too early for each of us to be thinking about objectives for the new year.

ar of the Chapter's operations. Each mem-
r must have some opinions regarding how
e Chapter could function best for the pro-
ssion in the state. So, why not start now
d jot down some thoughts for general dis-
ssion and for positive action. Here are some
ggestions to stimulate thought:

1. Should the State Registration Law be revised?
2. Should we hold at least one joint meeting each year with the newly-formed Contractors' Association?
3. Should further steps be taken to advance the interests of practicing architects in connection with the building programs of the Highway Department and the State?
4. Should we take steps to offer some specific training courses on a competitive basis for the young men in our offices?
5. Should we have a traveling exhibition of the work of New Hampshire architects?
6. Could we arrange a joint meeting some-time with the Chapter of a neighboring state such as Vermont?



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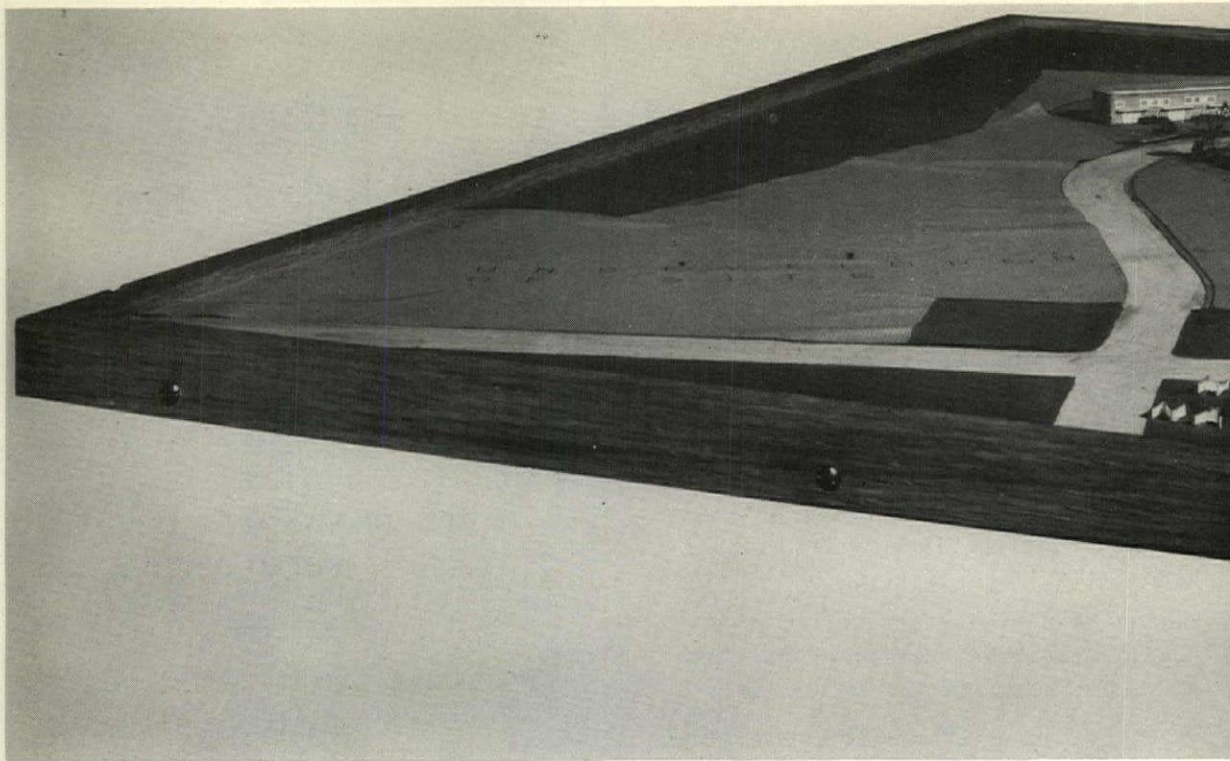
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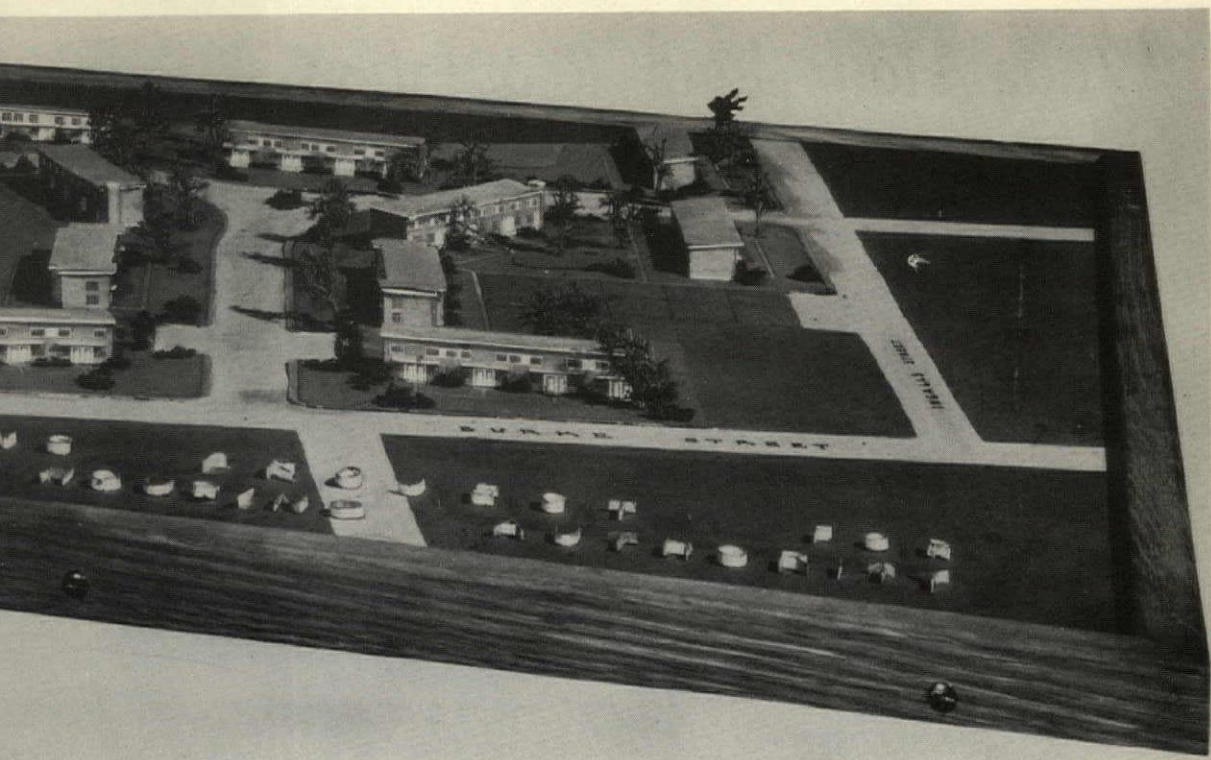
Gate city residents - project erected under direction of
New Hampshire State Housing Board.

Recently completed for occupancy by 100 families are the O. S. Maynard Homes in Nashua, one of the two low rent housing projects erected in New Hampshire under the State Housing Act and under the direction of the New Hampshire State Housing Board. The other project located in Manchester is nearing completion. The O. S. Maynard Homes was erected by the Nashua Housing Authority with the following as its members: Aaron A. Harkaway, Chairman; Auguste U. Burque, William T. Spratt, Miriam W. Flather, Henry N.

Bechard.

A. J. Schumacher of Cambridge, Massachusetts, is the Architect for the project with Tracy & Hildreth, Nashua, Associate Architects. The general contractor was the Davis Construction Company of Manchester, New Hampshire.

The project consists of twelve buildings offering a total of 100 dwelling units. These units vary in size: 60 four-room apartments, 20 five-room apartments, 16 three-room apartments and 4 six-room apartments. Each unit



ipped with hotwater heat with individual
 rmostatic control, gas range, gas refrig-
 ator, built-in sink cabinet, storage cabinets,
 en closet and plenty of clothes closets. Since
 re are no basement facilities for the tenants,
 n apartment has a utility room.

The twelve buildings have been arranged in
 oups of four, each group having its own cen-
 l heating plant and central facilities for
 erating and distributing domestic hot water.
 The foundations and the first floor are of re-
 orced concrete. All the framing above the
 st floor slab is of Stran-Steel and a fabrica-
 y shop was set up on the job for the fabrica-
 n of the light-weight steel wall and partition
 nels. The floor of the second floor and the
 of are of 2 $\frac{1}{2}$ " concrete over corrugated steel
 eets. The exterior walls are of brick veneer.
 e interior wall and ceiling finish is of lath
 d plaster. Flooring is asphalt tile except in
 ths where linoleum has been used.

The cost including the buildings and their
 echanical equipment, walks, fencing, clothes
 e poles, lawns, landscaping, etc., was approxi-
 ately \$11,500.00 per dwelling unit.

Major sub-contractors were: Plumbing, P. W.
 naghue, Boston, Mass.; Heating, John Ven-
 ra, Lawrence, Mass.; Electrical, John J.
 illy, Manchester; Painting, D. F. Shea,

Nashua; Roofing, M. J. Murphy, Dover; Walks
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Wage Hour Law Regulation Changes Planned For "White Collar" Worker

The following revisions have been proposed in regulations governing exemption of certain so-called "white collar" employees from the minimum wage and overtime pay provisions of the Fair Labor Standards Act—the Federal Wage and Hour Law—as announced recently by Wm. R. McComb, Administrator of the U. S. Department of Labor's Wage and Hour and Public Contracts Divisions.

Major Changes Proposed

For "EXECUTIVE" type of exemption:—

(1) Employee must receive salary of at least \$55 a week. The present salary requirement is \$30 a week. (2) Employee's nonexempt work—activities not "directly and closely related" to his executive functions—must not exceed 20% of his own weekly hours worked. At the present, the regulations describe non-exempt work as work performed by non-exempt employees generally and limit non-exempt work of "executive" employees to 20% of weekly hours worked by non-exempt employees under his supervision. (3) Employee who receives salary of at least \$100 a week could be exempt on the basis of a shortened test. At present the regulations do not provide a shortened test for exemption of higher salaried employees.

For "ADMINISTRATIVE" type of exemption:—(1) Employee must receive a salary, or fees, at rate of at least \$75 a week. The present requirement is \$200 a month. (2) Employee's primary duty must consist of the performance of office or non-manual field work directly related to management policies or general business operations of his employer or his employer's customers, and his non-exempt work—activities not "directly and closely related" to his administration duties—is limited to 20% of his weekly hours worked. At present, the

regulations do not clearly specify a primary duty test for "administrative" employees and contain no provision permitting performance of non-exempt work. (3) Employee who receives salary, or fees, at rate of \$100 or more a week could be exempt on basis of a shortened test. At present the regulations do not provide any shortened test for exemption of higher salaried employees.

For "PROFESSIONAL" type of exemption:—(1) Employees must receive a salary, or fees, at rate of at least \$75 a week. The present requirement is \$200 a month. (2) Employee must have as his primary duty (a) work requiring knowledge of advanced type in a field of science or learning, or (b) must perform original and creative work in an artistic field and his non-exempt work—activities not an essential part of and necessarily incident to his professional duties—is limited to 20% of his own weekly hours worked. The present regulations do not clearly specify a primary duty test for "professional" employees and limit their non-exempt work to 20% of weekly hours worked by non-exempt employees.

(3) Employee who receives a salary, or fees, at a rate of \$100 or more a week could be exempt on basis of shortened test. At present the regulations do not provide any shortened test for exemption of higher salaried employees.

For "LOCAL RETAILING" and "OUTSIDE SALES" type of exemptions:—As at present there would be no salary requirement for these types of employees. "Outside salesmen" employee's duties would be expanded to include obtaining orders or contracts for services as well as for the use of facilities. For both types of employees, non-exempt work would continue to be limited to 20% of weekly hours worked by non-exempt employees.

ARCHITEXTOPICS

is a new department and is being started with an open mind and no commitments. Any opinions expressed herein are the writer's. Statements of fact may be in error; if so, let's hear about it. If any reader feels like sending in questions, they might be answered here—if the writer knows the answer. The writer feels like answering them. In other words, this is wide open—let's go!

—Gene Magenau

Visiting a well-known Animal Farm in northern New Hampshire the other day, I was struck by the poor design, or rather lack of design, in some of the exhibits which were bedecked with glass. In every case, reflections on the glass were such that the exhibit could be seen only with difficulty and annoyance.

Driving along the highway, this same characteristic lack of design is apparent everywhere. Hardly any building, its placement or surroundings, the roadside or its accessories, show any evidence of design, elementary or otherwise. It is interesting to speculate how different our physical environment would be if all of it could have the benefit of professional design.

Of course the problem is an economic one. Designers are all very positive that their advice is worth more than pay for itself, besides producing collateral benefits for others than the owners. I don't know if any bad statistics can't be quoted proving this; but we can all think of examples such as the State park, or the Plaza in front of Rockefeller Center, where restraint and good design make all the difference in the world.

Private individuals are not the only ones who think they can't afford to hire designers. Recently the State of New Hampshire, through the Highway Department, called for bids on a Liquor Warehouse. The plans and specifications were prepared in the Highway Department, but the important part of the designing was left up to the bidders.

Of course this defeats the purpose of competitive bids, that is, to get prices all based on furnishing the same or equivalent materials and installations. The spectacle of the State resorting to this type of practice is dubious and disappointing, especially since Commissioner Merrill's recent appointment of a "State Architect" who, we understood, was to conduct the department's building program with professional know-how.

At the cornerstone laying ceremony of the University's new million-dollar building for the College of Technology, which took place in Durham on November 11th, just about all the participants were New Hampshire people, except

(Continued on page 16)

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NEW HOME CONSTRUCTION IN MANCHESTER SHOWS INCREASE

During the first nine months of 1949 per-
mits for the construction of new homes in Man-
chester totaled 410 as compared to 290 permits
for the same period in 1948, William M. Cull-
lity, superintendent of the building department
of the Queen City, reported.

According to Mr. Cullity's report, the es-
timated cost of this year's new home build-
ing runs to \$2,265,005 as against \$1,536,000
last year, or a gain of more than \$700,000.

Total building in Manchester for the
first nine months of 1949 hit a new high of \$3,459,
while for the same period last year, the total
ran to \$3,123,477.

N. H. Chapter meets in Concord Nov. 17th

Now that the elections are over, we hope
the printer will be able to get this issue out in
time for the November meeting of the N. H. Chap-
ter, American Institute of Architects.

This is scheduled for Thursday, November
18, 1949, at the Colonial Inn in Concord. The
meeting is of such quality and quantity that
good attendance is assured . . . we hope
even without the stellar attraction: Col. Har-
old B. Willis, A. I. A., Director of the New Eng-
land District.

Invitations have been issued to all practis-
ing architects in the State. It is said that
Mr. Willis is a worthy successor to Joe Lela-
man, so this will be a good opportunity to learn about
the Institute's program and highlights of
the National Executive Board meeting held
in October.

OUR APOLOGIES

The editors wish to make amends for omis-
sion of a credit line to the photographer who
took the cover picture for our October issue.
The view showing erection of rigid steel frame
at the Towle High School Gymnasium in New-
port was taken by Hall's Camera Shop of New-
port. We cannot understand the policy of some
newspaper editors who fail to credit the author.

plans or designs which they publish, so we understand the desire of photographers to receive credit when their pictures are used, and it is our intention to give credit where credit is due.

Revisions are in order for the current status of two architects whose biographies were published in previous issues. **Edward B. Miles**, contributor of the article on architectural colleges in this issue, advises that he left Mr. Witmer's office in September, 1947, to resume his studies at Cornell University, where he recently won the degree of Master of Architecture. Now he is living and practicing in Exeter. Congratulations to you, Ed!

Also a letter from Bill Baker, the capable Assistant Director for F. H. A., announces that **Alexander J. Majeski**, whose present occupation was omitted from his biography, was recently added to the F. H. A. staff at the Manchester office. He says that Alex will enhance their effort to serve the building public in New Hampshire in the best possible manner, and with this we all would agree.

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**F. H. A. TECHNICAL BULLETINS
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William F. Baker of the F. H. A. writes:

"It occurred to me that the architects of New Hampshire would be very much interested in the technical research program authorized in the Housing Act of 1949 and I am enclosing a copy of Technical Bulletins No. 9 and 10

"These bulletins are available from various Federal Housing Administration offices and upon request from those interested, this office will be pleased to create a mailing list to whom additional bulletins will be sent as they are published. . . ."

These Bulletins are really technical and they are authoritative. Based on research authorized by the recently passed Housing Act of 1949, they cover such subjects as these, taken from Bulletins No. 9 and 10:

"Aspects of Fire and Safety in Houses," "Condensation Control in Dwelling Construction," "Individual Sewage Disposal Systems."

Every architect should take advantage of Bill Baker's offer, and should further avail himself of the help his office is able to give on any problem in connection with residential and rental housing.

**APPLIED FARM BUILDING AT
U. N. H. COMPLETED**

Dedicator Exercises slated for Dec. 10th

The University of New Hampshire has announced that the new Applied Farming Building, just completed in Durham, will be named for George M. Putnam, who for so many years has been the President of the New Hampshire State Farm Bureau Federation. The dedicatory exercises will be held on December 10, 1949. Architects for the building were Tracy & Dreth, Nashua, New Hampshire, and the General Contractor was the Hutchinson Building Lumber Company of Concord, New Hampshire.

(Continued from page 13)

the architect and the contractor. These were Arland Dirlam of Boston and John A. Volpe of Malden, respectively. Others were Seneca Bridges, President Adams, and a host of students, educators, trustees and spectators. Those who have no information about the building, should understand that it is featured by an entrance made of polished gray granite with hammer

(Continued on page 18)

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SCHOOL BUILDING COMMITTEES TAKE HINT FROM SCHOOL ADMINISTRATORS' CONFERENCE

The Panel Discussion which was sponsored by the State Department of Education for presentation before the School Administrators' Conference in Keene and again before the Association of School Board Members in Concord, appears to have been helpful in giving school committees a better understanding of the methods which should be employed in the selection of an architect. Eugene F. Magenau, Maurice Witmer and Stephen P. Tracy were architects who took part in these panel discussions. It has come to our attention that a number of School Building Committees have followed the general procedures suggested in these discussions, and in a number of instances School Districts have appropriated funds for preliminary surveys by Architects.

This is encouraging, but there is still much work which members of the profession can accomplish toward a further understanding and toward the elimination of some abuses which continue to exist.

OPENING DRIVE FOR RESTORATION OF SCHOOL AID HAS SUPPORT

Of potential import to architects and to a large segment of our population was the mass meeting in the State House on Nov. 7, which raised the question, "What About Our Public Schools?" with special reference to State aid.

Sponsored by the Business and Professional Women's Club, League of Women Voters, Farm Bureau, Taxpayers' Federation and the P. T. A. . . . all non-partisan organizations . . . this was the opening move for inducing the legislature to restore in the coming special session the \$1,600,000 cut out of State aid last Spring.

Speakers were Mr. Henry Toy, Executive Secretary of the National Citizens Commission for Public Schools; Governor Sherman Adams; Mr. William Saltonstall, Headmaster, Phillips Exeter Academy.

Following some heated discussion, a resolution was adopted in favor of restoring state aid to schools without specifying the source of funds, and a permanent chairman was named to organize a committee to carry on the campaign. This was Mr. Donald Kimball of Franklin, a public spirited young farmer and President of the Parent-Teachers Association of Franklin.

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ARCHITECTS INVITED TO EXHIBIT SCHOOL PLANS

The State Department of Education has issued invitations to architects to exhibit school plans and photographs at the School Board Convention in Laconia on December 2 and 3. The material must be mounted on a card 20" x 30" and must be received either in Concord or at the Laconia High School on December 1, and architects are invited to the exhibit on Friday afternoon or all day Saturday.

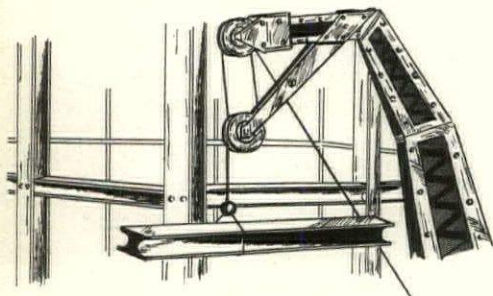
It is to be hoped that this exhibit will impart to the school people with the high quality competence of a large number of New Hampshire architects.

(Continued from page 16)

flutings and other unusual shapes which required special designing and fabricating by John Swenson Granite Co. of Concord, subcontractor for the granite.

This Swenson granite gets into a lot of important places. You know it was recently used for the cornerstone of the United Nations Building in New York. We hope this cornerstone will impart its admirable qualities of endurance and stability to the organization!

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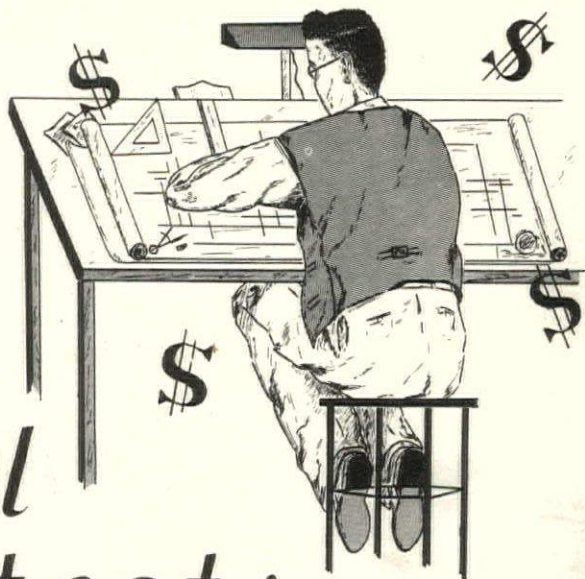
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